

SPECIFICATION AMENDMENTS

On page 1, insert above line 1, insert--Priority Claim

The present application claims priority on European Patent Application 03104971.1 filed 24 December 2003.--

On page 1, delete title on line 1.

On page 1, above line 2, insert--Field of the Invention--

On page 1, above line 3, insert--Background of the Invention--

Paragraph on line 24 of page 1 has been amended as follows:

~~--A disadvantage of the known method is that the~~ The installation of one or more cooling stations and a nitrogen or other cooling fluid supply line in a well ~~is may be~~ expensive and fragile and thus prone to damage.--

On page 1, insert above line 28--Summary of the Invention--

Paragraph on line 28 of page 1, ending on line 3 of page 2, has been amended as follows:

~~-- It is an object of the~~ The present inventions ~~to provide~~ include a method of downhole flow measurement in a well, which does not require the installation of one or more cooling stations and fragile cooling fluid supply conduits downhole in the well.--

Paragraph on line 4 of page 2 has been amended as follows:

~~-- It is a further object of the~~ The present inventions ~~also include to provide~~ a method for measuring the influx of fluids into the well along at least part of an inflow region along which fluids flow from the surrounding formation into the well.--

On page 2, delete line 8.

On page 2, above line 9, insert--Detailed Description of the Invention--

Paragraph on line 11 of page 3, has been amended as follows:

-- The method according to some embodiments of the invention may be applied to monitor the fluid flow rate and inflow rate downhole in a hydrocarbon fluid production well.--

On page 4, above line 1, insert --We claim:--